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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,338

DATE: 05/13/2002

TIME: 14:57:31

Input Set : A:\9195-077.txt

Output Set: N:\CRF3\05132002\J014338.raw

5 <110> APPLICANT: Herath, et al.
9 <120> TITLE OF INVENTION: ADPI-41, A NOVEL PROTEIN ISOLATED FROM BRAIN TISSUE
HOMOGENATE AND
10 USES THEREFOR
14 <130> FILE REFERENCE: 9195-077
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/014,338
C--> 18 <141> CURRENT FILING DATE: 2002-05-01
18 <150> PRIOR APPLICATION NUMBER: 10/014,338
20 <151> PRIOR FILING DATE: 2001-12-10
24 <160> NUMBER OF SEQ ID NOS: 12
28 <170> SOFTWARE: PatentIn version 3.1
32 <210> SEQ ID NO: 1
34 <211> LENGTH: 1134
36 <212> TYPE: DNA
38 <213> ORGANISM: Homo sapiens
42 <220> FEATURE:
44 <221> NAME/KEY: misc_feature
46 <222> LOCATION: (1121)..(1122)
48 <223> OTHER INFORMATION: where "n" is any nucleotide
52 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
56 <222> LOCATION: (1125)..(1126)
58 <223> OTHER INFORMATION: where "n" is any nucleotide
62 <220> FEATURE:
64 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (1132)..(1133)
68 <223> OTHER INFORMATION: where "n" is any nucleotide
72 <400> SEQUENCE: 1
73 gtccgggacc atgtctggag aactaccacc aaacattaac atcaaggaac ctcgatggga 60
75 tcaaagcact ttcattggac gagccaatca ttcttctact gtaactgacc ccaggaacat 120
77 tctgttaacc aacgaacaac tcgagagtgc gagaaaaata gtacatgatt acaggcaagg 180
79 aattgttcct cctgggtctta cagaaaatga attgtggaga gcaaagtaca tctatgattc 240
81 agcttttcat cctgacactg gtgagaagat gattttgata ggaagaatgt cagcccaggt 300
83 tcccatgaac atgaccatca caggttgat gatgacgttt tacaggacta cgccggctgt 360
85 gctgttctgg cagtggatta accagtcctt caatgccgtc gtcaattaca ccaacagaag 420
87 tggagacgca cccctcactg tcaatgagtt gggaacagct tacgtttctg caacaactgg 480
89 tgccgtagca acagctctag gactcaatgc attgaccaag catgtctcac cactgatagg 540
91 acgttttgtt ccctttgctg ccgtagctgc tgctaattgc attaatattc cattaatgag 600
93 gcaaagggaa ctcaaagttg gcattcccg taccgatgag aatgggaacc gcttggggga 660
95 gtcggcgaaac gctgcgaaac aagccatcac gcaagttgtc gtgtccagga ttctcatggc 720
97 agccctctggc attggccatcc ctccattcat tatgaacact ttggaaaaga aagccttttt 780
99 gaagagggtc ccatggatga gtgcacccat tcaagttggg ttagttggct tctgtttggt 840
101 gtttgctaca ccctgtgtt gtgccctgtt tctcagaaa agttccatgt ctgtgacaag 900
103 cttggaggcc gagttgcaag ctaagatcca agagagccat cctgaattgc gacgcgtgta 960

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105 cttcaataag ggattgtaaa gcaggaggga aacctctgca gctcattctg ccaactgcaaa 1020
107 gctggtgtag ccatgctggt gagaaaaatc ctgttcaacc tgggttctcc cagttacgga 1080
W--> 109 aaggcggaat tcgcggccgc taattcgatt cgcctatag nagtngtaac antc 1134
112 <210> SEQ ID NO: 2
114 <211> LENGTH: 322
116 <212> TYPE: PRT
118 <213> ORGANISM: Homo sapiens
122 <400> SEQUENCE: 2
124 Met Ser Gly Glu Leu Pro Pro Asn Ile Asn Ile Lys Glu Pro Arg Trp
125 1 5 10 15
128 Asp Gln Ser Thr Phe Ile Gly Arg Ala Asn His Phe Phe Thr Val Thr
129 20 25 30
132 Asp Pro Arg Asn Ile Leu Leu Thr Asn Glu Gln Leu Glu Ser Ala Arg
133 35 40 45
136 Lys Ile Val His Asp Tyr Arg Gln Gly Ile Val Pro Pro Gly Leu Thr
137 50 55 60
140 Glu Asn Glu Leu Trp Arg Ala Lys Tyr Ile Tyr Asp Ser Ala Phe His
141 65 70 75 80
144 Pro Asp Thr Gly Glu Lys Met Ile Leu Ile Gly Arg Met Ser Ala Gln
145 85 90 95
148 Val Pro Met Asn Met Thr Ile Thr Gly Cys Met Met Thr Phe Tyr Arg
149 100 105 110
152 Thr Thr Pro Ala Val Leu Phe Trp Gln Trp Ile Asn Gln Ser Phe Asn
153 115 120 125
156 Ala Val Val Asn Tyr Thr Asn Arg Ser Gly Asp Ala Pro Leu Thr Val
157 130 135 140
160 Asn Glu Leu Gly Thr Ala Tyr Val Ser Ala Thr Thr Gly Ala Val Ala
161 145 150 155 160
164 Thr Ala Leu Gly Leu Asn Ala Leu Thr Lys His Val Ser Pro Leu Ile
165 165 170 175
168 Gly Arg Phe Val Pro Phe Ala Ala Val Ala Ala Asn Cys Ile Asn
169 180 185 190
172 Ile Pro Leu Met Arg Gln Arg Glu Leu Lys Val Gly Ile Pro Val Thr
173 195 200 205
176 Asp Glu Asn Gly Asn Arg Leu Gly Glu Ser Ala Asn Ala Ala Lys Gln
177 210 215 220
180 Ala Ile Thr Gln Val Val Val Ser Arg Ile Leu Met Ala Ala Pro Gly
181 225 230 235 240
184 Met Ala Ile Pro Pro Phe Ile Met Asn Thr Leu Glu Lys Lys Ala Phe
185 245 250 255
188 Leu Lys Arg Phe Pro Trp Met Ser Ala Pro Ile Gln Val Gly Leu Val
189 260 265 270
192 Gly Phe Cys Leu Val Phe Ala Thr Pro Leu Cys Cys Ala Leu Phe Pro
193 275 280 285
196 Gln Lys Ser Ser Met Ser Val Thr Ser Leu Glu Ala Glu Leu Gln Ala
197 290 295 300
200 Lys Ile Gln Glu Ser His Pro Glu Leu Arg Arg Val Tyr Phe Asn Lys
201 305 310 315 320
204 Gly Leu

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208 <210> SEQ ID NO: 3
210 <211> LENGTH: 984
212 <212> TYPE: DNA
214 <213> ORGANISM: Homo sapiens
218 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
222 <222> LOCATION: (949)..(950)
224 <223> OTHER INFORMATION: where "n" is any nucleotide
228 <220> FEATURE:
230 <221> NAME/KEY: misc_feature
232 <222> LOCATION: (979)..(980)
234 <223> OTHER INFORMATION: where "n" is any nucleotide
238 <400> SEQUENCE: 3
239 gtccgggacc atgtctggag aactaccacc aaacattaac atcaaggaac ctcgatggga      60
241 tcaaagcact ttcattggac gagccaatca tttcttcact gtaactgacc ccaggaacat      120
243 tctgttaacc aacgaacaac tcgagagtgc gagaaaaata gtacatgatt acaggcaagg      180
245 aattgttcct cctgggtctta cagaaaatga attgtggaga gcaaagtaca tctatgattc      240
247 agcttttcat cctgacactg gtgagaagat gattttgata ggaagaatgt cagcccaggt      300
249 tcccatgaac atgaccatca caggttgat gatgacgtt tacaggacta cgccggctgt      360
251 gctgttcttg cagtggatta accagtcctt caatgccgtc gtcaattaca ccaacagaag      420
253 tggagacgca cccctcactg tcaatgagtt gggaacagct tacgtttctg taacaactgg      480
255 tgccgtagca acagctctag gactcaatgc attgaccaag catgtctcac cactgatagg      540
257 acgttttgtt ccctttgctg ccgtagctgc tgctaattgc attaatattc cattaatgag      600
259 gcaaagccat ccctccattc attatgaaca ctttgaaaaa gaaagccttt ttgaagaggt      660
261 tcccatggat gagtgcaccc attcaagttg ggtagttgg cttctgtttg gtgtttgcta      720
263 caccctgtgt ttgtgccctg tttcctcaga aaagttccat gtctgtgaca agcttgaggg      780
265 ccgagttgca agctaagatc caagagagcc atcctgaatt gcgacgcgtg tacttcaata      840
267 agggattgta aagcaggggag gaaacctctg cagctcatto tgccactgca aagctggtgt      900
W--> 269 agccatgctg gtgagaaaaa tctgtttcaa cctgggttct cccagttang gaaagggcga      960
W--> 271 attgcgggcc gctgattcna ttac                                     984
274 <210> SEQ ID NO: 4
276 <211> LENGTH: 261
278 <212> TYPE: PRT
280 <213> ORGANISM: Homo sapiens
284 <400> SEQUENCE: 4
286 Met Ser Gly Glu Leu Pro Pro Asn Ile Asn Ile Lys Glu Pro Arg Trp
287 1                    5                10                15
290 Asp Gln Ser Thr Phe Ile Gly Arg Ala Asn His Phe Phe Thr Val Thr
291                20                25                30
294 Asp Pro Arg Asn Ile Leu Leu Thr Asn Glu Gln Leu Glu Ser Ala Arg
295                35                40                45
298 Lys Ile Val His Asp Tyr Arg Gln Gly Ile Val Pro Pro Gly Leu Thr
299                50                55                60
302 Glu Asn Glu Leu Trp Arg Ala Lys Tyr Ile Tyr Asp Ser Ala Phe His
303 65                70                75                80
306 Pro Asp Thr Gly Glu Lys Met Ile Leu Ile Gly Arg Met Ser Ala Gln
307                85                90                95
310 Val Pro Met Asn Met Thr Ile Thr Gly Cys Met Met Thr Phe Tyr Arg
311                100               105               110
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314 Thr Thr Pro Ala Val Leu Phe Trp Gln Trp Ile Asn Gln Ser Phe Asn
315 115 120 125
318 Ala Val Val Asn Tyr Thr Asn Arg Ser Gly Asp Ala Pro Leu Thr Val
319 130 135 140
322 Asn Glu Leu Gly Thr Ala Tyr Val Ser Val Thr Thr Gly Ala Val Ala
323 145 150 155 160
326 Thr Ala Leu Gly Leu Asn Ala Leu Thr Lys His Val Ser Pro Leu Ile
327 165 170 175
330 Gly Arg Phe Val Pro Phe Ala Ala Val Ala Ala Ala Asn Cys Ile Asn
331 180 185 190
334 Ile Pro Leu Met Arg Gln Ser His Pro Ser Ile His Tyr Glu His Phe
335 195 200 205
338 Gly Lys Glu Ser Leu Phe Glu Glu Val Pro Met Asp Glu Cys Thr His
339 210 215 220
342 Ser Ser Trp Val Ser Trp Leu Leu Phe Gly Val Cys Tyr Thr Pro Val
343 225 230 235 240
346 Leu Cys Pro Val Ser Ser Glu Lys Phe His Val Cys Asp Lys Leu Gly
347 245 250 255
350 Gly Arg Val Ala Ser
351 260
354 <210> SEQ ID NO: 5
356 <211> LENGTH: 20
358 <212> TYPE: DNA
360 <213> ORGANISM: Homo sapiens
364 <400> SEQUENCE: 5
365 actgagcggg acctgcgagc 20
368 <210> SEQ ID NO: 6
370 <211> LENGTH: 22
372 <212> TYPE: DNA
374 <213> ORGANISM: Homo sapiens
378 <400> SEQUENCE: 6
379 tccgtaactg ggagaaccca gg 22
382 <210> SEQ ID NO: 7
384 <211> LENGTH: 13
386 <212> TYPE: PRT
388 <213> ORGANISM: Homo sapiens
392 <400> SEQUENCE: 7
394 Asn Ile Leu Leu Thr Asn Glu Gln Leu Glu Ser Ala Arg
395 1 5 10
398 <210> SEQ ID NO: 8
400 <211> LENGTH: 10
402 <212> TYPE: PRT
404 <213> ORGANISM: Homo sapiens
408 <400> SEQUENCE: 8
410 Gln Ala Ile Thr Gln Val Val Val Ser Arg
411 1 5 10
414 <210> SEQ ID NO: 9
416 <211> LENGTH: 12
418 <212> TYPE: PRT

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420 <213> ORGANISM: Homo sapiens
424 <400> SEQUENCE: 9
426 Val Gly Ile Pro Val Thr Asp Glu Asn Gly Asn Arg
427 1 5 10
430 <210> SEQ ID NO: 10
432 <211> LENGTH: 39
434 <212> TYPE: DNA
436 <213> ORGANISM: Homo sapiens
440 <400> SEQUENCE: 10
441 aacattctgt taaccaacga acaactcgag agtgcgaga 39
444 <210> SEQ ID NO: 11
446 <211> LENGTH: 30
448 <212> TYPE: DNA
450 <213> ORGANISM: Homo sapiens
454 <400> SEQUENCE: 11
455 caagccatca cgcaagttgt cgtgtccagg 30
458 <210> SEQ ID NO: 12
460 <211> LENGTH: 33
462 <212> TYPE: DNA
464 <213> ORGANISM: Homo sapiens
468 <400> SEQUENCE: 12
469 gttggcattc ccgtcacgga tgagaatggg aac 33

```

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1121,1125,1132
Seq#:3; N Pos. 949,979

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/014,338

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Input Set : A:\9195-077.txt

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L:18 M:270 C: Current Application Number differs, Replaced Current Application No
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1080
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:900
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:960